

CX240

**LR EXCAVATOR
TIER II CERTIFIED**

ENGINE

Model	Case 6TAA-5904, Tier II certified
Type	4-stroke, turbocharged
Cylinders	6
Bore/Stroke	4.02 in x 4.72 in (102 x 120 mm)
Displacement	359 in ³ (5.9 L)
Fuel injection	Direct
Fuel injection pump	Electronic
Fuel	Diesel
Cooling	Liquid
Horsepower per SAE J1349	
Gross	180 hp (134 kW) @ 2150 rpm
Net	173 hp (129 kW) @ 2150 rpm
Maximum torque @ 1400 rpm	
Net	461 lb-ft (625 N-m)

BOOM/ARM

Boom	
Length	33 ft 10 in (10.30 m)
Boom w/arm cylinder & plumbing	6,735 lb (3055 kg)
Hoist cylinders (2)	441 lb (200 kg) ea
Total weight	7,617 lb (3455 kg)

26 ft 3 in Arm (8.0 m)

Length	26 ft 3 in (8.0 m)
Bare arm	2,815 lb (1277 kg)
Bucket cylinder linkage & plumbing	551 lb (250 kg)
Total weight	3,366 lb (1527 kg)

UNDERCARRIAGE

Number of top rollers	
Top, each track	2
Bottom, each track	9
Number of shoes	
Triple grouser – each track	51
Link pitch	7.48 in (190 mm)

HYDRAULICS

Pumps (2)	Variable displacement axial piston design
Capacity –	
Maximum	2 x 56 gpm (212 L/min)
System relief pressure –	
Standard	4,975 psi (34.3 MPa)
Power Boost	5,410 psi (37.3 MPa)
Control valves –	
4-spool section for left track travel, boom #1, bucket #1 & #2, arm #2	
5-spool section for right track travel, boom #2, auxiliary, swing and arm #1	
Boom and arm anti-drift valves	
Pilot control hydraulic system –	
Pump (1)	Gear design
Maximum capacity	5.8 gpm (22 L/min)
Relief pressure	566 psi (3900 kPa)
Swing –	
Motor (1)	Fixed displacement axial piston design
Speed	0-10.4 rpm
Brake	Spring-applied hydraulically released with dual cushion relief
Tail swing radius	9 ft 10 in (2.99 m)
Travel –	
Motor (2)	Two-speed axial piston design
Final drive	Planetary gear reduction
Drawbar pull	43,006 lb (191 kN)
Travel Speeds –	
Auto shift high to low	
	Forward/Reverse
Low	2.1 mph (3.4 km/h)
High	3.4 mph (5.5 km/h)
Travel control valve –	Dual stage relief and counter-balance design

HYDRAULIC CYLINDERS

Boom cylinders (2) –	
Bore diameter	4.9 in (125 mm)
Rod diameter	3.5 in (89 mm)
Stroke	50.6 in (1285 mm)
Arm cylinder (1) –	
Bore diameter	5.9 in (150 mm)
Rod diameter	4.1 in (105 mm)
Stroke	68.4 in (1737 mm)
Bucket cylinder (1) –	
Bore diameter	3.7 in (95 mm)
Rod diameter	2.6 in (65 mm)
Stroke	34.7 in (881 mm)

ELECTRICAL

Voltage	24 volts, negative ground
Alternator	45 amp
Batteries (2) 12V	Low-maintenance 112 Ah (5 hr rate)

SERVICE CAPACITIES

Hydraulic tank	
Refill capacity	32 gal (120 L)
Total system	59 gal (225 L)
Final drive (per side)	5.0 qt (4.7 L)
Swing drive	6.3 qt (6.0 L)
Engine	
w/filter change	25.4 qt (24 L)
Fuel	90 gal (340 L)
Radiator	28.5 qt (27 L)

OPERATING WEIGHT

With 26 ft 3 in (8.0 m) arm, 31.5 in (800 mm) track shoes, 728 lb (330 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment	
	60,568 lb (27 473 kg)

LIFT CAPACITIES

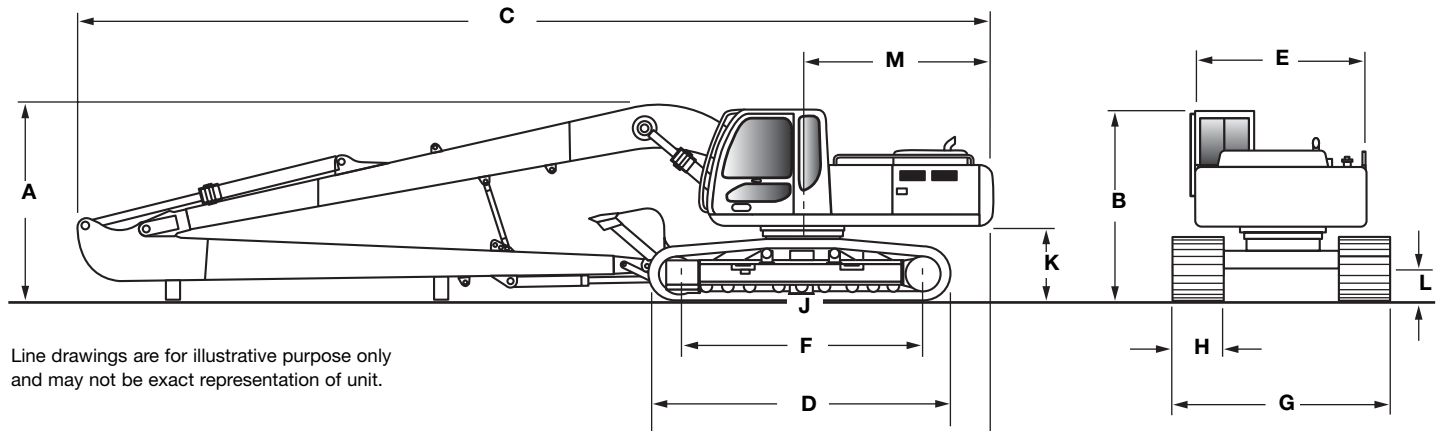
26 ft 3 in (8.0 m) Arm Lift capacities calculated using a 728 lb (330 kg) bucket, 17,417 lb (7900 kg) counterweight operating in "Light" Mode.

Load (Lift Point) Height	10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)	
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE
+40 ft (12.19 m)												
+35 ft (10.67 m)												
+30 ft (9.14 m)												
+25 ft (7.62 m)												
+20 ft (6.10 m)												
+15 ft (4.57 m)												
+10 ft (3.05 m)									5,709 lb* (2590 kg)	5,709 lb* (2590 kg)	5,019 lb* (2277 kg)	5,019 lb* (2277 kg)
+5 ft (1.52 m)	4,163 lb* (1888 kg)	4,163 lb* (1888 kg)	15,122 lb* (6859 kg)	15,122 lb* (6859 kg)	10,422 lb* (4727 kg)	10,419 lb* (4726 kg)	8,003 lb* (3630 kg)	7,999 lb* (3628 kg)	6,559 lb* (2975 kg)	6,559 lb* (2975 kg)	5,609 lb* (2544 kg)	5,609 lb* (2544 kg)
Ground- line	3,376 lb* (1531 kg)	3,376 lb* (1531 kg)	8,196 lb* (3717 kg)	8,196 lb* (3717 kg)	12,162 lb* (5517 kg)	12,047 lb* (5464 kg)	9,154 lb* (4152 kg)	8,937 lb* (4054 kg)	7,349 lb* (3334 kg)	6,897 lb* (3128 kg)	6,179 lb* (2803 kg)	5,447 lb* (2470 kg)
-5 ft (-1.52 m)	3,992 lb* (1811 kg)	3,992 lb* (1811 kg)	7,187 lb* (3260 kg)	7,187 lb* (3260 kg)	13,417 lb* (6086 kg)	10,937 lb* (4961 kg)	10,085 lb* (4574 kg)	8,127 lb* (3686 kg)	8,039 lb* (3646 kg)	6,317 lb* (2865 kg)	6,689 lb* (3034 kg)	5,017 lb* (2275 kg)
-10 ft (-3.05 m)	4,946 lb* (2243 kg)	4,946 lb* (2243 kg)	7,515 lb* (3409 kg)	7,515 lb* (3409 kg)	12,734 lb* (5776 kg)	10,277 lb* (4661 kg)	10,749 lb* (4876 kg)	7,587 lb* (3441 kg)	8,569 lb* (3887 kg)	5,887 lb* (2670 kg)	7,099 lb* (3220 kg)	4,697 lb* (2130 kg)
-15 ft (-4.57 m)	6,055 lb* (2746 kg)	6,055 lb* (2746 kg)	8,385 lb* (3804 kg)	8,385 lb* (3804 kg)	12,891 lb* (5847 kg)	9,957 lb* (4516 kg)	11,141 lb* (5053 kg)	7,257 lb* (3291 kg)	8,919 lb* (4046 kg)	5,607 lb* (2543 kg)	7,389 lb* (3352 kg)	4,467 lb* (2026 kg)
-20 ft (-6.10 m)	7,286 lb* (3305 kg)	7,286 lb* (3305 kg)	9,586 lb* (4348 kg)	9,586 lb* (4348 kg)	13,884 lb* (6298 kg)	9,867 lb* (4475 kg)	11,261 lb* (5108 kg)	7,117 lb* (3228 kg)	9,069 lb* (4114 kg)	5,457 lb* (2475 kg)	7,327 lb* (3323 kg)	4,337 lb* (1967 kg)
-25 ft (-7.62 m)	8,646 lb* (3922 kg)	8,646 lb* (3922 kg)	11,068 lb* (5020 kg)	11,068 lb* (5020 kg)	14,161 lb* (6423 kg)	9,967 lb* (4521 kg)	11,101 lb* (5035 kg)	7,127 lb* (3233 kg)	8,999 lb* (4082 kg)	5,437 lb* (2466 kg)	7,307 lb* (3314 kg)	4,317 lb* (1958 kg)
-30 ft (-9.14 m)	10,162 lb* (4610 kg)	10,162 lb* (4610 kg)	12,862 lb* (5834 kg)	12,862 lb* (5834 kg)	13,412 lb* (6084 kg)	10,217 lb* (4634 kg)	10,621 lb* (4818 kg)	7,277 lb* (3301 kg)	8,649 lb* (3923 kg)	5,537 lb* (2511 kg)	7,179 lb* (3256 kg)	4,397 lb* (1994 kg)
-35 ft (-10.67 m)	11,873 lb* (5385 kg)	11,873 lb* (5385 kg)	15,064 lb* (6833 kg)	15,064 lb* (6833 kg)	12,192 lb* (5530 kg)	10,627 lb* (4820 kg)	9,739 lb* (4418 kg)	7,567 lb* (3432 kg)	7,949 lb* (3606 kg)	5,767 lb* (2616 kg)	6,529 lb* (2962 kg)	4,607 lb* (2089 kg)
-40 ft (-12.19 m)	13,814 lb* (6266 kg)	13,814 lb* (6266 kg)	13,240 lb* (6005 kg)	13,240 lb* (6005 kg)	10,319 lb* (4681 kg)	10,319 lb* (4681 kg)	8,274 lb* (3753 kg)	8,027 lb* (3641 kg)	6,659 lb* (3021 kg)	6,167 lb* (2797 kg)		
-45 ft (-13.72 m)												

NOTE: *Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity.
Capacities that are marked with an asterisk are hydraulic limited.

LIFT CAPACITIES (CONT'D)

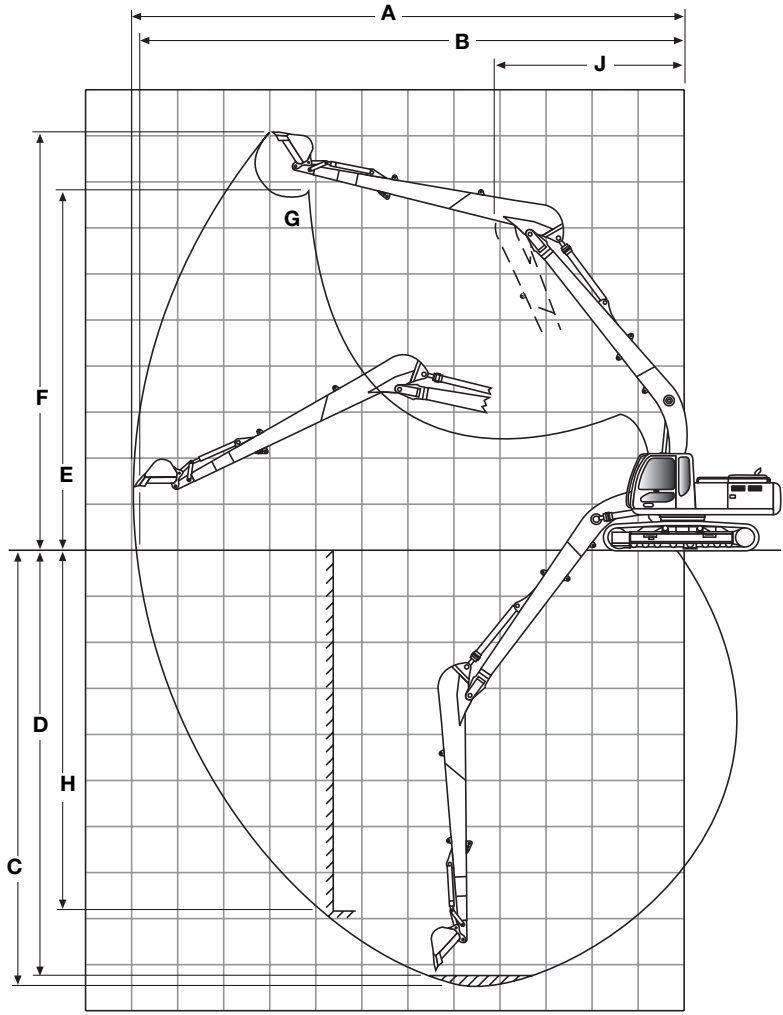
Load (Lift Point) Height	40 ft (12.19 m)		45 ft (13.72 m)		50 ft (15.24 m)		55 in (16.76 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+40 ft (12.19 m)			3,310 lb* (1501kg)	3,310 lb* (1501 kg)					45 ft 1 in (13.74) m	3,262 lb* (1480 kg)	3,262 lb* (1480 kg)
+35 ft (10.67 m)									48 ft 6 in (14.78 m)	3,174 lb* (1440 kg)	3,174 lb* (1440 kg)
+30 ft (9.14 m)			3,284 lb* (1490 kg)	3,284 lb* (1490 kg)	3,318 lb* (1505 kg)	3,318 lb* (1505 kg)			51 ft 2 in (15.60 m)	3,142 lb* (1425 kg)	3,142 lb* (1425 kg)
+25 ft (7.62 m)			3,411 lb* (1547 kg)	3,411 lb* (1547 kg)	3,377 lb* (1532 kg)	3,377 lb* (1532 kg)			53 ft 3 in (16.23 m)	3,158 lb* (1433 kg)	3,084 lb* (1399 kg)
+20 ft (6.10 m)			3,609 lb* (1637 kg)	3,609 lb* (1637 kg)	3,502 lb* (1589 kg)	3,502 lb* (1589 kg)			54 ft 9 in (16.69 m)	3,217 lb* (1459 kg)	2,766 lb* (1255 kg)
+15 ft (4.57 m)	4,119 lb* (1868 kg)	4,119 lb* (1868 kg)	3,862 lb* (1752 kg)	3,862 lb* (1752 kg)	3,677 lb* (1668 kg)	3,379 lb* (1533 kg)	3,556 lb* (1613 kg)	2,636 lb* (1196 kg)	55 ft 10 in (17.02 m)	3,319 lb* (1505 kg)	2,526 lb* (1146 kg)
+10 ft (3.05 m)	4,519 lb* (2050 kg)	4,519 lb* (2050 kg)	4,149 lb* (1882 kg)	4,027 lb (1826 kg)	3,884 lb* (1762 kg)	3,197 lb (1450 kg)	3,691 lb* (1674 kg)	2,518 lb* (1142 kg)	56 ft 5 in (17.20 m)	3,467 lb* (1573 kg)	2,348 lb* (1065 kg)
+5 ft (1.52 m)	4,949 lb* (2245 kg)	4,707lb (2135 kg)	4,459 lb* (2023 kg)	3,757 lb (1704 kg)	4,107 lb* (1863 kg)	3,007 lb (1364 kg)	3,842 lb* (1743 kg)	2,393 lb* (1085 kg)	56 ft 6 in (17.22 m)	3,668 lb* (1664kg)	2,226 lb* (1010 kg)
Ground- line	5,359 lb* (2431 kg)	4,357 lb (1976 kg)	4,769 lb* (2163 kg)	3,507 lb (1591 kg)	4,329 lb* (1964 kg)	2,827 lb (1282 kg)	3,959 lb* (1796 kg)	2,273 lb* (1031 lb)	56 ft 3 in (17.15 m)	3795 lb* (1721 kg)	2,154 lb* (977 kg)
-5 ft (-1.52 m)	5,739 lb* (2603 kg)	4,047 lb (1835 kg)	5,049 lb* (2290 kg)	3,277 lb (1486 kg)	4,530 lb* (2055 kg)	2,667 lb (1210 kg)	3,854 lb* (1748 kg)	2,172 lb* (985 kg)	55 ft 5 in (16.89 m)	3,799 lb* (1723 kg)	2,133 lb* (967 kg)
-10 ft (- 3.05 m)	6,059 lb* (2748 kg)	3,797 lb (1722 kg)	5,257 lb (2384 kg)	3,097 lb (1405 kg)	4,437 lb (2012 kg)	2,547 lb (1155 kg)			54 ft 2 in (16.51 m)	3,877 lb* (1759 kg)	2,166 lb* (983 kg)
-15 ft (- 4.57 m)	6,137 lb (2783 kg)	3,627 lb (1645 kg)	5,127 lb (2325 kg)	2,977 lb (1350 kg)	4,356 lb* (1976 kg)	2,467 lb (1119 kg)			52 ft 5 in (15.98 m)	4,044 lb* (1835 kg)	2,269 lb* (1029 kg)
-20 ft (- 6.10 m)	6,037 lb (2738 kg)	3,527 lb (1600 kg)	5,067 lb (2298 kg)	2,917 lb (1323 kg)	4,340 lb* (1969 kg)	2,457 lb (1114 kg)			50 ft 1 in (15.26 m)	4,326 lb* (1962 kg)	2,447 lb (1110 kg)
-25 ft (- 7.62 m)	6,027 lb (2734 kg)	3,527 lb (1600 kg)	5,087 lb (2307 kg)	2,937 lb (1332 kg)					47 ft 2 in (13.38 m)	4,771 lb* (2164 kg)	2,737 lb (1241 kg)
-30 ft (- 9.14 m)	5,999 lb* (2721 kg)	3,617 lb (1640 kg)							43 ft 5 in (13.23 m)	5,281 lb* (2396 kg)	3,217 lb (1459 kg)
-35 ft (- 10.67 m)									38 ft 8 in (11.79 m)	5,609 lb* (2544 kg)	4,017 lb (1822 kg)
-40 ft (- 12.19 m)									32 ft 5 in (9.88 m)	5,949 lb* (2698 kg)	5,527 lb (2507 kg)
-45 ft (- 13.72 m)									23 ft 8 in (7.21 m)	6,209 lb* (2816 kg)	6,209 lb* (2816 kg)



DIMENSIONS

	26 ft 3 in (8.0 m) Arm
A. Overall height	10 ft 2 in (3.10 m)
B. Cab height	9 ft 11 in (3.02 m)
C. Overall length	47 ft 7 in (14.50 m)
D. w/o attachment	17 ft 5 in (5.31 m)
E. Width of upperstructure	9 ft 2 in (2.79 m)
F. Track overall length	15 ft 3 in (4.64 m)
G. Track overall width w/31.5 in (800 mm) shoes	11 ft 1 in (3.39 m)
H. Track shoe width	31.5 in (800 mm)
J. Center to center (idler to sprocket)	12 ft 7 in (3.84 m)
K. Upperstructure ground clearance	3 ft 7 in (1.10 m)
L. Minimum ground clearance	1 ft 6 in (460 mm)
M. Tail swing radius	9 ft 10 in (2.99 m)
Working weight*	60,568 lb (27 473 kg)
Ground pressure	5.8 psi (40 kPa)

*With 31.5 in (800 mm) track shoe, 728 lb (330 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



PERFORMANCE SPECS

	26 ft 3 in (8.0 m) Arm
A. Maximum dig radius	60 ft 3 in (18.37 m)
B. Dig radius at groundline	59 ft 11 in (18.27 m)
C. Maximum dig depth	48 ft 0 in (14.62 m)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	47 ft 6 in (14.47 m)
E. Dump height	37 ft 10 in (11.54 m)
F. Overall reach height	44 ft 11 in (13.70 m)
G. Bucket rotation	178°
H. Vertical straight wall dig depth	40 ft 0 in (12.18 m)
J. Minimum swing radius	21 ft 1 in (6.42 m)
Arm digging force	
Standard	9,035 lb (40.2 kN)
Bucket digging force	
Standard	18,558 lb (82.6 kN)

STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT

Cab with Isomount® system
Adjustable deluxe seat with 3 in (76 mm) retractable seat belt
Front window safety glass
Climate Control System
AM/FM Radio w/auto tuner
Roof hatch, skylight
Sliding Lexan* windows
Windshield wiper w/washer
Anti-theft device

ENGINE

Case 6TAA-5904 turbocharged diesel
Tier II certified
Warm up mode
Selectable one touch or auto accelerator/decelerator
Auto engine derate

ELECTRICAL

Batteries (2)
Electronic Systems Monitor
Horn, dual

HYDRAULICS

ISO pattern pilot controls
4 Position mode selector: H, S, L & Auto
Auto Power Boost
2 Variable flow piston pumps
Auxiliary attachment mode
Neutral pump destroke
Auxiliary hydraulic valve
Boom and arm anti-drift valves
Selectable cushion control for boom and arm
Controlled free swing
Ultra Clean filtration system

UNDERCARRIAGE

Shoes: 31.5 in (800 mm) 3-bar, 51 per side
Track length: 15 ft 3 in (4.64 m)
Track gauge: 8 ft 6 in (2.59 m)
Sealed and lubed track

TRACK DRIVE

2-speed hydrostatic travel
Straight tracking travel priority
Disc-type parking brakes

UPPERSTRUCTURE

Boom: 33 ft 10 in (10.30 m) one piece
Free swing control
Hammer adaptable, no reinforcing required
Swing brake

OTHER

Counterweight: 17,417 lb (7900 kg)
Single key lockup

OPTIONAL EQUIPMENT

BUCKETS

Application	Width	SAE Heaped Capacity
General purpose	24 in thru 36 in (0.60 m thru .91 m)	0.48 yd ³ thru .75 yd ³ (0.37 m ³ thru .57 m ³)
Ditching	60 in or 66 in (1.52 m or 1.68 m)	.75 yd ³ or .88 yd ³ (0.57 m ³ or .67 m ³)

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: CNH America LLC reserves the right to change these specifications without notice and without incurring any obligation relating to such change. CNH America LLC does not warrant the safety or reliability of attachments from other manufacturers.

Case is a registered trademark of CNH America LLC. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH America LLC, are the property of those respective companies.



www.casece.com

CTH CASE IS A BRAND OF CNH,
A GLOBAL LEADER IN CONSTRUCTION EQUIPMENT, AGRICULTURAL EQUIPMENT AND FINANCIAL SERVICES.